an inherent data storing section for storing as the abnormality diagnostic data, inherent data which is inherent to each of the events, the inherent data and common data corresponding to successively detected abnormal events being stored in order in which the abnormal events were detected.

16. (Amended) An abnormality diagnostic data storing method for storing, in a storing means, abnormality diagnostic data corresponding to an abnormal event detected in a vehicle, comprising the steps of:

judging an abnormal event when an abnormality is detected;

selecting at least inherent data which is inherent to the abnormal event; and

storing selected inherent data in the storing means as abnormality diagnostic data corresponding to the abnormal event for a plurality of abnormal events, together with common data which is common irrespective of a difference in the abnormal events, the inherent data and common data corresponding to successively detected abnormal events being stored in order in which the abnormal events were detected.

Please add new Claims 20-24 as follows:

20. (New) An abnormality diagnostic system capable of storing abnormality diagnostic data corresponding to an abnormal event detected in a vehicle, comprising:

a processor for identifying the detected abnormal event with a diagnostic code;

a common data storing section for storing as the abnormality diagnostic data for a plurality of abnormal events, common data which is common irrespective of a difference in diagnostic codes; and

an inherent data storing section for storing data selectively obtained in accordance with the diagnostic code, the data being identified as inherent data to the abnormal event.

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21. (New) An abnormality diagnostic data storing method for storing, in a storing means, abnormality diagnostic data corresponding to an abnormal event detected in a vehicle, comprising the steps of:

identifying a detected abnormal event with a corresponding diagnostic code;

selecting, based on the diagnostic code, at least inherent data which is inherent to the abnormal event; and

storing the selected inherent data in the storing means as abnormality diagnostic data corresponding to the abnormal event for a plurality of abnormal events, together with common data which is common irrespective of a difference in diagnostic codes.

22. (New) An abnormality diagnostic system according to Claim 1, wherein the common data and the inherent data corresponding to detected abnormal events are stored in the common data storing section and the inherent data storing section respectively, as long as there are unused memory locations in the common data storing section and the inherent data storing section.

23. (New) An abnormality diagnostic system according to Claim 1, wherein the common data and the inherent data corresponding to a first abnormal event is stored in a memory area which is different from a memory area in which the common data and the inherent data corresponding to a second abnormal event is stored.

24. (New) An abnormality diagnostic system according to Claim 1, wherein the common data and inherent data corresponding to successively occuring and substantially same abnormal events, is stored in the common data and inherent data storing section for each of the substantially same abnormal events.